



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pTO1417748512

1RP - 3114

KINNEY INCORPORATED

District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 811 S. First St., Artesia, NM 88210
 District III
 1000 Rio Brazos Road, Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy Minerals and Natural Resources

Form C-141
 Revised August 8, 2011

Oil Conservation Division
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in
 accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR Initial Report Final Report

| | |
|---------------------------------------|----------------------------|
| Name of Company Kinney Incorporated | Contact Edward Saldivar |
| Address PO Box 809, Andrews, TX 79714 | Telephone No. 432-556-6236 |
| Facility Name Littman 8 Federal #2 | Facility Type Pump Jack |

| | | |
|---------------------|-------------------|----------------------|
| Surface Owner State | Mineral Owner BLM | API No. 30-025-33699 |
|---------------------|-------------------|----------------------|

LOCATION OF RELEASE

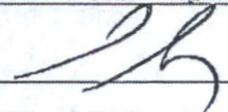
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| K | 8 | 21S | 38E | 1980 | FSL | 1980 | FWL | Lea |

Latitude 32°29'34.62" N Longitude 104°6'39.21" W

NATURE OF RELEASE

| | | |
|--|---|---------------------------------------|
| Type of Release Produced water and oil | Volume of Release 4 bbls | Volume Recovered 0 bbls |
| Source of Release 1 in. nipple on well head | Date and Hour of Occurrence 5/15/14 | Date and Hour of Discovery 5/15/14 |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |
| If a Watercourse was Impacted, Describe Fully.* | | |
| Describe Cause of Problem and Remedial Action Taken.* A cow rubbed up against 1 in. nipple on well head. Shut valve and installed fence around well head. | | |
| Describe Area Affected and Cleanup Action Taken.* | | |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCDD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCDD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCDD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|--|---------------------------------------|-----------------------------------|
| Signature:  | OIL CONSERVATION DIVISION | |
| Printed Name: Edward Saldivar | Approved by Environmental Specialist: | |
| Title: President | Approval Date: | Expiration Date: |
| E-mail Address: edward@kinneyincorporated.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 6-2-14 | Phone: 432-556-6236 | |

* Attach Additional Sheets If Necessary

Kinney Inc.

approved w/ caveat of further
delineation/remediation southwest and
west of wellhead
Jeffrey Sekim DTW=66'
Environmental Specialist
NMCCD-DIST 1
6/25/14

Littman 8 Federal #2

Corrective Action Plan

API No. 30-025-33699

Release Date: May 15th, 2014

Unit Letter K, Section 8, Township 21S, Range 38E

July XX, 2014

Geoffrey Leking

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau – District 1
1625 N. French Dr.
Hobbs, NM 88240-9273

**RE: Corrective Action Plan
Kinney Inc. – Littman 8 Federal #2
UL/K sec. 8 T21S R38E
API No. 30-025-33699**

Mr. Leking:

Kinney Incorporated (Kinney) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 5.8 miles northeast of Eunice, New Mexico at UL/K sec. 8 T21S R38E. NM OSE records indicate that groundwater will be located at a depth of +/- 72 ft bgs. However, soil sampling data shows that the site is located approximately 1 mile northeast of an area of no known groundwater (Figure 1).

On May 15th, 2014, Kinney was notified of a release at the site. A cow rubbed up against a 1 inch nipple on the well head and released 4 barrels of produced water and oil over 1,177 square feet of lease pad and pasture land. None of this fluid was recovered. An initial C-141 was signed by Kinney on June 2nd, 2014 and submitted to NMOCD for their approval (Appendix A).

RECS personnel were on site beginning on June 3rd, 2014 to assess the release. Four points within the release area were sampled at the surface, and three points were sampled with depth (Figure 2). All samples were field tested for chlorides and organic vapors, and representative samples were taken to a commercial laboratory for analysis. Point 1 returned elevated laboratory chloride levels until 5.5 ft bgs. Point 2 returned elevated chloride levels until 1 ft bgs, and Point 3 and Point 4 returned chloride levels below regulatory standards at the surface (Appendix B). Gasoline Range Organics (GRO) readings at all points and all depths returned values of non-detect. Diesel Range Organics (DRO) readings were elevated at the surface of Point 1 and Point 2, but fell below regulatory standards at depth. Point 3 returned DRO values above regulatory standards at the surface and 6 inches bgs, but at 1 ft bgs returned a DRO value below regulatory standards. Point 4 returned a DRO value of non-detect at the surface.

Photo documentation of these activities can be found in Appendix C.

Corrective Action Plan

Based on the laboratory analysis of the release, the release area around Point 1 will be excavated to a depth of 5 ft bgs. At the base of the excavation, a composite bottom sample will be taken to confirm that constituents are below regulatory standards. Point 2 will be scraped to a depth of 1 ft bgs. Point 3 will be scraped to 1 ft bgs and a composite bottom sample will be taken to confirm that TPH standards are below regulatory standards. Point 4 has all constituents below regulatory standards at the surface. Therefore, only the vegetation will be washed with MicroBlaze to remove residual staining.

Micro-Blaze contains a blend of wetting agents, nutrients and several strains of safe, non-pathogenic *Bacillus* bacteria. When applied to a hydrocarbon-based or organic spill or contaminant, the wetting agent begins breaking down the contaminants into smaller molecules for more efficient degradation, by the microbes, into harmless byproducts like carbon dioxide, water, and trace salts.

All excavated soils will be evaluated to use as backfill. Any soils that do not meet regulatory standards will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to replace the soils taken for disposal and blended with the residual excavated soils to serve as backfill. Samples of the blended backfill will be taken to a commercial laboratory for analysis to confirm that all constituents are below regulatory standards. The site will then be backfilled with the blended soil and contoured to the surrounding location.

Once these activities have been completed, a report will be submitted detailing the CAP actions and requesting 'remediation termination' and site closure.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

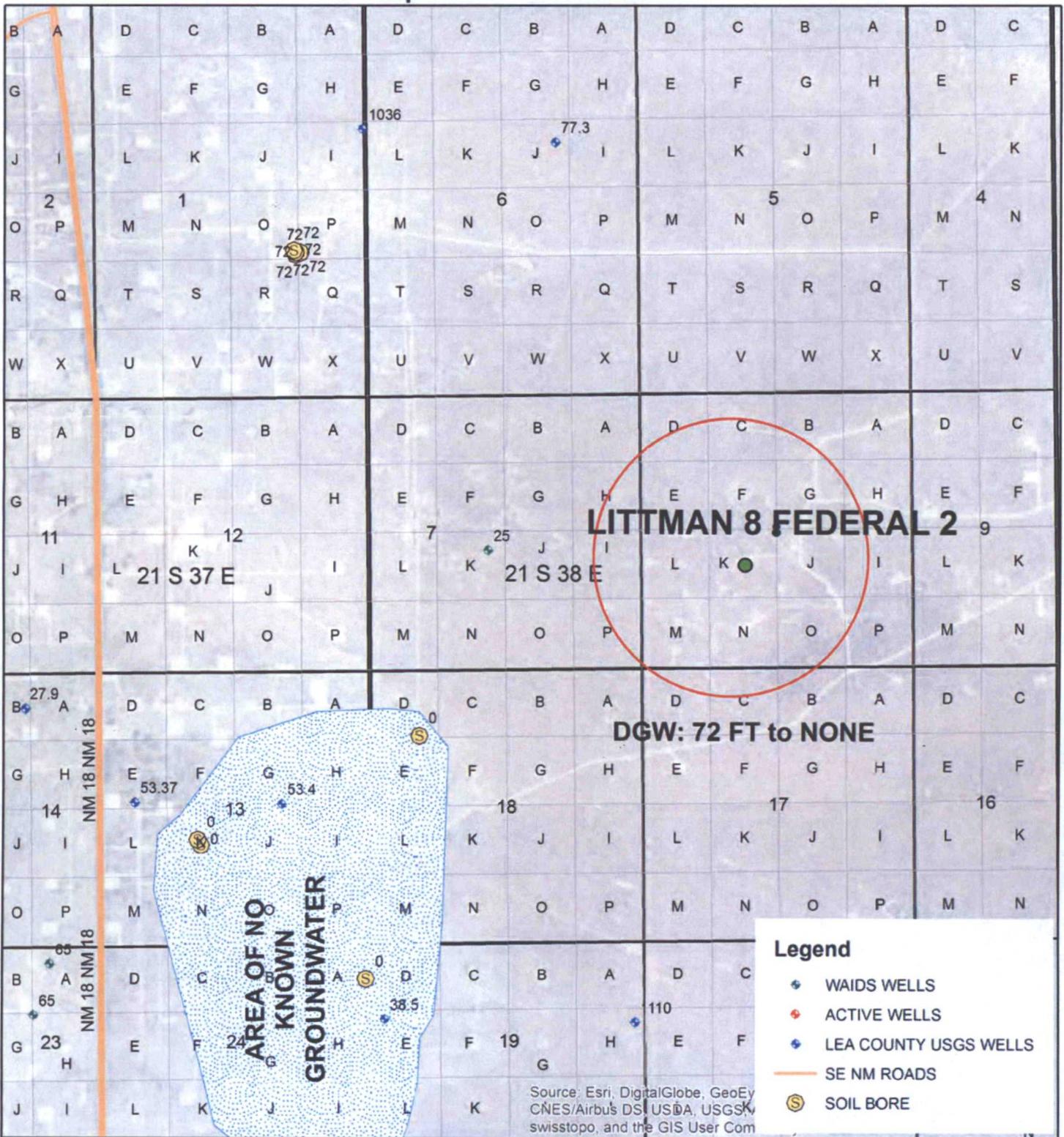


Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Depth to Groundwater
- Figure 2 – Initial Sampling Data
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Labs
- Appendix C – Photo Documentation

Depth to Groundwater



Source: Esri, DigitalGlobe, GeoEye, CNES/Airbus DS, USDA, USGS, swisstopo, and the GIS User Com

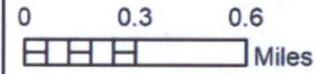
Legend

- ◆ WAIDS WELLS
- ◆ ACTIVE WELLS
- LEA COUNTY USGS WELLS
- SE NM ROADS
- SOIL BORE



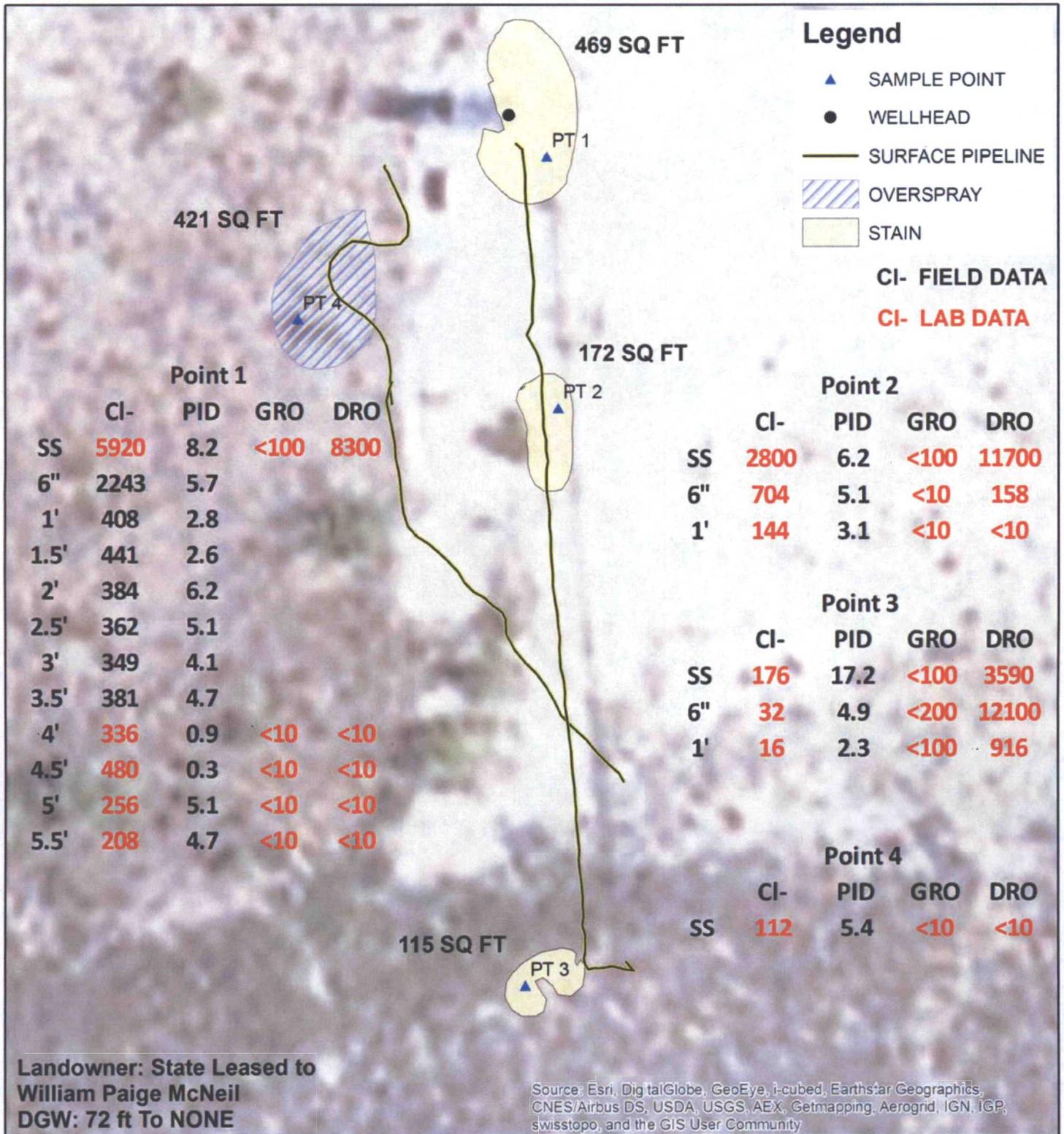
KINNEY INC.
LITTMAN 8
FEDERAL 2
 Unit Letter K, Section 8
 T-21-S R-38-E
 LEA COUNTY, NM

Figure 1



Drawing date: 6/5/14
 Drafted by: L. Weinheimer

Initial Sampling Data



RECS
RICE ENVIRONMENTAL
CONSULTING & SAFETY

KINNEY INC.
LITTMAN 8
FEDERAL 2

Unit Letter K, Section 8
T-21-S R-38-E
LEA COUNTY, NM

Figure 2

0 10 20 Feet

GPS Date: 6/3/14 AG
Drawing date: 6/20/14
Drafted by: L. Weinheimer

June 10, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: KINNEY LITTMAN 8 FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 06/04/14 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

| | | | |
|-------------------|-----------------------------|---------------------|----------------|
| Received: | 06/04/2014 | Sampling Date: | 06/03/2014 |
| Reported: | 06/10/2014 | Sampling Type: | Soil |
| Project Name: | KINNEY LITTMAN 8 FEDERAL #2 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | NOT GIVEN | | |

Sample ID: PT. 1 @ SURFACE (H401701-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 5920 | 16.0 | 06/09/2014 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <100 | 100 | 06/09/2014 | ND | 191 | 95.4 | 200 | 3.91 | | |
| DRO >C10-C28 | 8300 | 100 | 06/09/2014 | ND | 197 | 98.3 | 200 | 4.65 | | |

Surrogate: 1-Chlorooctane 85.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 288 % 63.6-154

Sample ID: PT. 1 @ 4' (H401701-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|------------------------|-----------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 336 | 16.0 | 06/05/2014 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/09/2014 | ND | 191 | 95.4 | 200 | 3.91 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/09/2014 | ND | 197 | 98.3 | 200 | 4.65 | | |

Surrogate: 1-Chlorooctane 88.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

| | | | |
|-------------------|-----------------------------|---------------------|----------------|
| Received: | 06/04/2014 | Sampling Date: | 06/03/2014 |
| Reported: | 06/10/2014 | Sampling Type: | Soil |
| Project Name: | KINNEY LITTMAN 8 FEDERAL #2 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | NOT GIVEN | | |

Sample ID: PT. 2 @ SURFACE (H401701-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|------------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2800 | 16.0 | 06/05/2014 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <100 | 100 | 06/09/2014 | ND | 191 | 95.4 | 200 | 3.91 | | |
| DRO >C10-C28 | 11700 | 100 | 06/09/2014 | ND | 197 | 98.3 | 200 | 4.65 | | |

Surrogate: 1-Chlorooctane 79.9 % 65.2-140
 Surrogate: 1-Chlorooctadecane 405 % 63.6-154

Sample ID: PT. 2 @ 6" (H401701-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 704 | 16.0 | 06/05/2014 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/09/2014 | ND | 191 | 95.4 | 200 | 3.91 | | |
| DRO >C10-C28 | 158 | 10.0 | 06/09/2014 | ND | 197 | 98.3 | 200 | 4.65 | | |

Surrogate: 1-Chlorooctane 96.5 % 65.2-140
 Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

| | | | |
|-------------------|-----------------------------|---------------------|----------------|
| Received: | 06/04/2014 | Sampling Date: | 06/03/2014 |
| Reported: | 06/10/2014 | Sampling Type: | Soil |
| Project Name: | KINNEY LITTMAN 8 FEDERAL #2 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | NOT GIVEN | | |

Sample ID: PT. 2 @ 1' (H401701-05)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 06/05/2014 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/09/2014 | ND | 191 | 95.4 | 200 | 3.91 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/09/2014 | ND | 197 | 98.3 | 200 | 4.65 | | |

Surrogate: 1-Chlorooctane 139 % 65.2-140
 Surrogate: 1-Chlorooctadecane 136 % 63.6-154

Sample ID: PT. 3 @ SURFACE (H401701-06)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 06/05/2014 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <100 | 100 | 06/09/2014 | ND | 191 | 95.4 | 200 | 3.91 | | |
| DRO >C10-C28 | 3590 | 100 | 06/09/2014 | ND | 197 | 98.3 | 200 | 4.65 | | |

Surrogate: 1-Chlorooctane 72.5 % 65.2-140
 Surrogate: 1-Chlorooctadecane 162 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

| | | | |
|-------------------|-----------------------------|---------------------|----------------|
| Received: | 06/04/2014 | Sampling Date: | 06/03/2014 |
| Reported: | 06/10/2014 | Sampling Type: | Soil |
| Project Name: | KINNEY LITTMAN 8 FEDERAL #2 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Celey D. Keene |
| Project Location: | NOT GIVEN | | |

Sample ID: PT. 3 @ 6" (H401701-07)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|------------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 06/05/2014 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <200 | 200 | 06/09/2014 | ND | 191 | 95.4 | 200 | 3.91 | | |
| DRO >C10-C28 | 12100 | 200 | 06/09/2014 | ND | 197 | 98.3 | 200 | 4.65 | | |

Surrogate: 1-Chlorooctane 77.3 % 65.2-140
 Surrogate: 1-Chlorooctadecane 331 % 63.6-154

Sample ID: PT. 4 @ SURFACE (H401701-08)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|------------------------|-----------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 06/05/2014 | ND | 400 | 100 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/09/2014 | ND | 191 | 95.4 | 200 | 3.91 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/09/2014 | ND | 197 | 98.3 | 200 | 4.65 | | |

Surrogate: 1-Chlorooctane 94.4 % 65.2-140
 Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Company Name: DECS **BILL TO** ANALYSIS REQUEST

Project Manager: Kyle Norman P.O. #:

Address: _____ Company: _____

City: Hobbs State: NM Zip: 88240 Attn: _____

Phone #: _____ Fax #: _____

Project #: _____ Project Owner: _____

Project Name: Kinney Linnin 8 Field #2

Project Location: _____

Sampler Name: Amber Groves

| Lab I.D. | Sample I.D. | MATRIX | | | | PRESERV | | | DATE | TIME | ANALYSIS REQUEST | | | | | | | | | |
|------------|-----------------|-------------|------------|------|-----|---------|--------|------------|--------|-------|------------------|--------|-----------|------------|------|-----------|-------------------------|-----|--|--|
| | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | | | ICE / COOL | OTHER: | Chlorides | TPH 8015 M | BTEX | Texas TPH | Complete Cations/Anions | TDS | | |
| H401701-01 | PT. 1 @ SURFACE | ✓ | | | | | | | 6-3-14 | 9:00 | ✓ | | | | | | | | | |
| 02 | PT. 1 @ 4ft | ✓ | | | | | | | 6-3-14 | 11:00 | ✓ | | | | | | | | | |
| 03 | PT. 2 @ SURFACE | ✓ | | | | | | | 6-3-14 | 9:05 | ✓ | | | | | | | | | |
| 04 | PT. 2 @ 1in | ✓ | | | | | | | 6-3-14 | 9:40 | ✓ | | | | | | | | | |
| 05 | PT. 2 @ 1ft | ✓ | | | | | | | 6-3-14 | 10:10 | ✓ | | | | | | | | | |
| 06 | PT. 3 @ SURFACE | ✓ | | | | | | | 6-3-14 | 9:10 | ✓ | | | | | | | | | |
| 07 | PT. 3 @ 1in | ✓ | | | | | | | 6-3-14 | 9:45 | ✓ | | | | | | | | | |
| 08 | PT. 4 @ SURFACE | ✓ | | | | | | | 6-3-14 | 9:15 | ✓ | | | | | | | | | |

FOR LAB USE ONLY

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Relinquished By: Amber Groves Date: 6-4-14 Time: 9:55

Received By: [Signature] Date: _____ Time: _____

Sample Condition: Cool Intact Yes No Yes No

Delivered By: (Circle One) _____

Sampler - UPS - Bus - Other: 2.8c

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

REMARKS: email results
 knorman@rice-ecs.com hconder@rice-ecs.com;
 Lweinheimer@rice-ecs.com; kjones@riceswd.com;
 Lpena@riceswd.com; sedwards@rice-ecs.com
 agroves@rice-ecs.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54



June 20, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: KINNEY LITTMAN 8 FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 06/12/14 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

| | | | |
|-------------------|-----------------------------|---------------------|---------------|
| Received: | 06/12/2014 | Sampling Date: | 06/12/2014 |
| Reported: | 06/20/2014 | Sampling Type: | Soil |
| Project Name: | KINNEY LITTMAN 8 FEDERAL #2 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kathy Perez |
| Project Location: | T21S R38E | | |

Sample ID: PT. 1 @ 4.5' (H401805-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 480 | 16.0 | 06/18/2014 | ND | 400 | 100 | 400 | 3.92 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/19/2014 | ND | 207 | 104 | 200 | 7.29 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/19/2014 | ND | 216 | 108 | 200 | 8.55 | | |

Surrogate: 1-Chlorooctane 104 % 65.2-140
 Surrogate: 1-Chlorooctadecane 120 % 63.6-154

Sample ID: PT. 1 @ 5' (H401805-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 256 | 16.0 | 06/18/2014 | ND | 400 | 100 | 400 | 3.92 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/19/2014 | ND | 207 | 104 | 200 | 7.29 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/19/2014 | ND | 216 | 108 | 200 | 8.55 | | |

Surrogate: 1-Chlorooctane 109 % 65.2-140
 Surrogate: 1-Chlorooctadecane 126 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

| | | | |
|-------------------|-----------------------------|---------------------|---------------|
| Received: | 06/12/2014 | Sampling Date: | 06/12/2014 |
| Reported: | 06/20/2014 | Sampling Type: | Soil |
| Project Name: | KINNEY LITTMAN 8 FEDERAL #2 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kathy Perez |
| Project Location: | T21S R38E | | |

Sample ID: PT. 1 @ 5.5' (H401805-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 06/18/2014 | ND | 400 | 100 | 400 | 3.92 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/19/2014 | ND | 174 | 87.0 | 200 | 4.35 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/19/2014 | ND | 195 | 97.5 | 200 | 4.36 | | |

Surrogate: 1-Chlorooctane 95.7 % 65.2-140
 Surrogate: 1-Chlorooctadecane 96.8 % 63.6-154

Sample ID: PT. 3 @ 1' (H401805-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 06/18/2014 | ND | 400 | 100 | 400 | 3.92 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <100 | 100 | 06/19/2014 | ND | 174 | 87.0 | 200 | 4.35 | | |
| DRO >C10-C28 | 916 | 100 | 06/19/2014 | ND | 195 | 97.5 | 200 | 4.36 | | |

Surrogate: 1-Chlorooctane 88.0 % 65.2-140
 Surrogate: 1-Chlorooctadecane 153 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500C-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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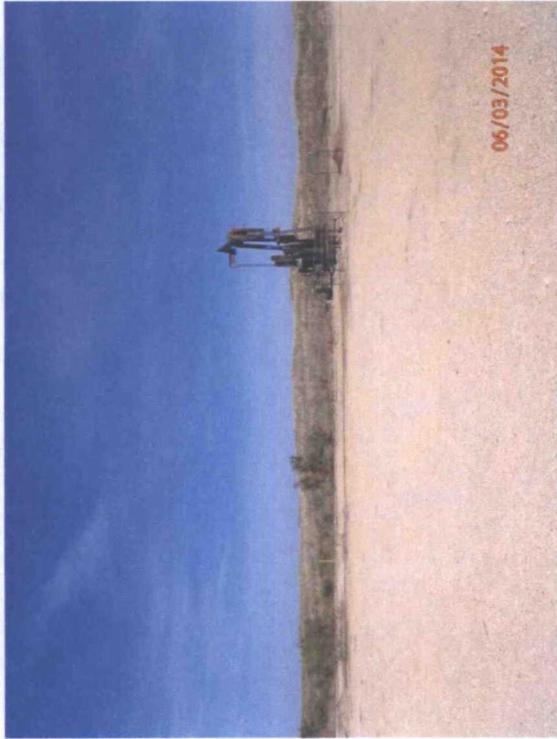
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Celey D. Keene, Lab Director/Quality Manager

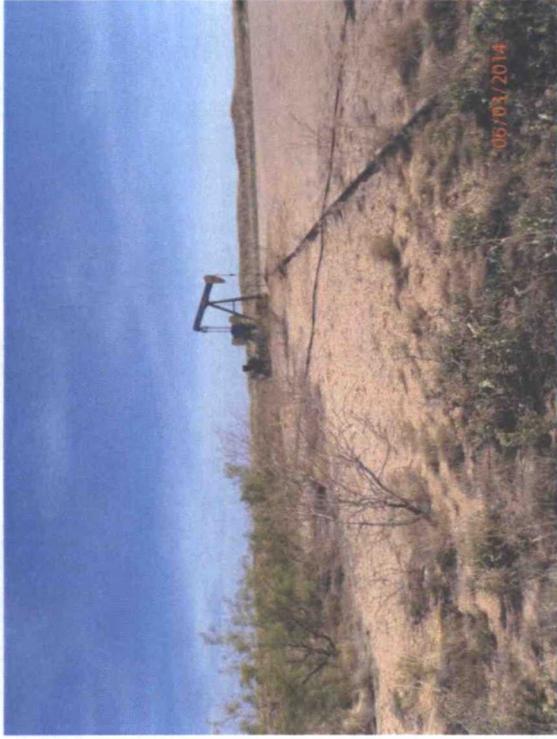
Kinney Inc. Littman 8 Federal #2

Unit Letter K, Section 8, T21S, R38E



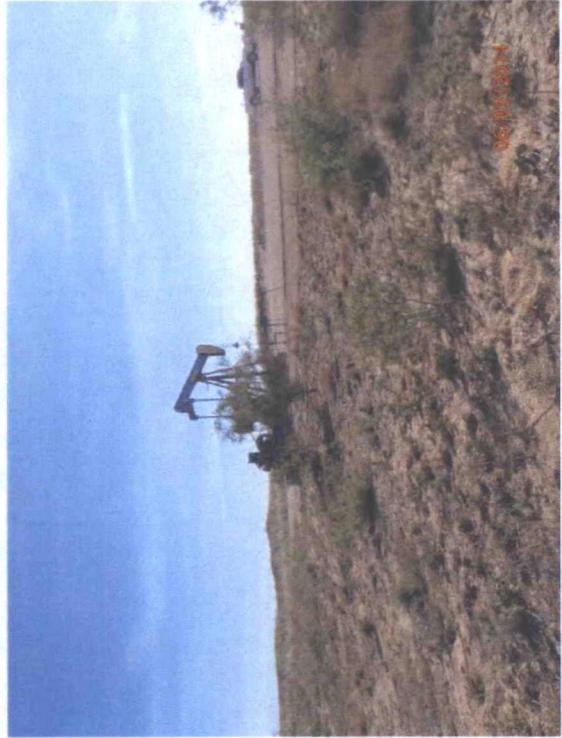
Initial site photo, facing west

6/3/14



Initial site photo, facing north

6/3/14



Initial site photo, facing northeast

6/3/14



Initial site photo, facing north

6/3/14



Auguring for depth, facing north

6/3/14



Taking surface sample, facing north

6/3/14